

## **TERRI L. PATTON**

Geosciences and Information Technology Section  
Environmental Science Division  
Argonne National Laboratory

### **Education:**

M.S.                      Northeastern Illinois University, Geology, 1989  
B.S.                      Southern Illinois University, Geology, 1982

### **Professional Experience:**

1989-Present      Assistant Scientist  
                         Environmental Science Division  
                         Argonne National Laboratory

Provides technical and management support for CERCLA-related site characterization and remediation work conducted by ANL. Main responsibilities include collecting and evaluating geologic and hydrologic data for contaminated sites, developing sampling and quality assurance plans for site characterization, developing conceptual site models, developing decision-making strategies, and preparing written reports. Past projects include environmental reviews and compliance audits for the U.S. Department of Energy (DOE); waste management technology assessments of DOE's Programmatic Environmental Impact Statement; remedial investigations (RI) for several U.S. Department of Defense sites; and development of a program management plan for ANL's RCRA Corrective Action Plan.

### **Summary of Previous Experience:**

1986-1988           Environmental Research Division, Argonne National Laboratory

Developed a method of analysis for measuring tin fission products in sediments. Also performed laboratory experiments to study the partitioning behavior of various radionuclides in the environment.

1986                      Shabica & Associates, Northfield, Illinois

Assisted in the design of plans to protect the eroding shoreline along Lake Michigan for property owners in the northern suburbs of Chicago. This included calculating engineering parameters, drafting plans, preparing legal documentation, and supervising field work.

1983-1986           Teledyne Isotopes Midwest Laboratory, Northbrook, Illinois

Performed laboratory analyses for various radionuclides in environmental media.  
Supervised laboratory work and prepared written reports.

**Research Interests:**

Optimization of groundwater monitoring and sampling technology  
Optimization of groundwater treatment technology (especially in situ processes)  
Application of accelerated approaches to site characterization and remediation

**Professional Activities:**

Geological Society of America  
National Ground Water Association  
Project Management Institute

**Publications:**

Author or co-author of 45+ journal, report, and conference publications and presentations.